| variable | washpoNdgBNm\_randomForestNode | washpoDgBNm\_randomForestNode | washpoNdgBNm\_randomForestAcc | washpoDgBNm\_randomForestAcc | washpoNdgBNm\_xgboost | washpoDgBNm\_xgboost |
| --- | --- | --- | --- | --- | --- | --- |
| age | 1 | 1 | 1 | 1 | 1 | 1 |
| signs\_of\_mental\_illness.FALSE | 2 | 4 | 2 | 7 | 2 | 2 |
| flee.Foot | 3 | 3 | 4 | 2 | 3 | 3 |
| armedNew.gun | 8 | 30 | 8 | 28 | 7 | 4 |
| state.LA |  | 9 |  | 6 |  | 5 |
| body\_camera.FALSE | 7 | 8 | 7 | 12 | 5 | 6 |
| state.FL |  | 16 |  | 13 |  | 7 |
| state.IL |  | 6 |  | 3 |  | 8 |
| armedNew.knife | 6 | 19 | 5 | 16 | 6 | 9 |
| state.MD |  | 7 |  | 4 |  | 10 |
| state.NY |  | 11 |  | 8 |  | 11 |
| state.CO |  | 14 |  | 20 |  | 12 |
| threat\_level.attack | 14 | 39 | 22 | 80 | 9 | 13 |
| flee.Not.fleeing | 9 | 5 | 9 | 11 | 8 | 14 |
| state.GA |  | 18 |  | 45 |  | 15 |
| state.VA |  | 26 |  | 30 |  | 16 |
| threat\_level.other | 19 | 56 | 15 | 85 | 10 | 17 |
| year.2018 |  | 51 |  | 95 |  | 18 |
| year.2019 |  | 29 |  | 82 |  | 19 |
| signs\_of\_mental\_illness.TRUE | 4 | 2 | 3 | 5 | 4 | 20 |
| state.NJ |  | 21 |  | 17 |  | 21 |
| state.MO |  | 38 |  | 42 |  | 22 |
| month.8 |  | 57 |  | 62 |  | 23 |
| state.CA |  | 45 |  | 57 |  | 24 |
| state.PA |  | 34 |  | 35 |  | 25 |
| body\_camera.TRUE | 5 | 10 | 6 | 10 | 12 | 26 |
| year.2016 |  | 64 |  | 92 |  | 27 |
| month.2 |  | 43 |  | 121 |  | 28 |
| state.AZ |  | 15 |  | 27 |  | 29 |
| flee.Car | 17 | 22 | 14 | 26 | 11 | 30 |
| state.UT |  | 23 |  | 15 |  | 31 |
| year.2015 |  | 74 |  | 75 |  | 32 |
| state.OR |  | 13 |  | 24 |  | 33 |
| year.2020 |  | 50 |  | 91 |  | 34 |
| armedNew.unarmed | 12 | 24 | 18 | 79 | 13 | 35 |
| month.9 |  | 87 |  | 124 |  | 36 |
| year.2017 |  | 42 |  | 19 |  | 37 |
| state.TX |  | 89 |  | 96 |  | 38 |
| month.4 |  | 58 |  | 117 |  | 39 |
| state.OK |  | 37 |  | 65 |  | 40 |
| day.27 |  | 78 |  | 88 |  | 41 |
| day.12 |  | 40 |  | 33 |  | 42 |
| gender.F | 18 | 20 | 13 | 25 | 16 | 43 |
| day.6 |  | 46 |  | 60 |  | 44 |
| armedNew.other | 10 | 28 | 10 | 61 | 14 | 45 |
| month.1 |  | 35 |  | 122 |  | 46 |
| armedNew.toy.weapon | 20 | 31 | 23 | 86 | 18 | 47 |
| month.3 |  | 60 |  | 106 |  | 48 |
| manner\_of\_death.shot | 13 | 41 | 21 | 53 | 15 | 49 |
| day.26 |  | 69 |  | 109 |  | 50 |
| month.12 |  | 82 |  | 38 |  | 51 |
| month.11 |  | 49 |  | 97 |  | 52 |
| state.OH |  | 67 |  | 54 |  | 53 |
| state.KS |  | 44 |  | 58 |  | 54 |
| day.21 |  | 92 |  | 94 |  | 55 |
| month.10 |  | 59 |  | 48 |  | 56 |
| state.MS |  | 76 |  | 93 |  | 57 |
| state.KY |  | 54 |  | 47 |  | 58 |
| state.WI |  | 36 |  | 78 |  | 59 |
| day.17 |  | 79 |  | 76 |  | 60 |
| day.1 |  | 94 |  | 89 |  | 61 |
| month.6 |  | 61 |  | 103 |  | 62 |
| day.25 |  | 32 |  | 37 |  | 63 |
| day.24 |  | 105 |  | 113 |  | 64 |
| day.20 |  | 68 |  | 104 |  | 65 |
| day.19 |  | 73 |  | 74 |  | 66 |
| state.AL |  | 108 |  | 52 |  | 67 |
| month.7 |  | 70 |  | 125 |  | 68 |
| state.MI |  | 93 |  | 119 |  | 69 |
| day.5 |  | 107 |  | 72 |  | 70 |
| day.28 |  | 63 |  | 43 |  | 71 |
| day.3 |  | 91 |  | 118 |  | 72 |
| threat\_level.undetermined | 11 | 27 | 12 | 14 | 17 | 73 |
| gender.M | 15 | 17 | 11 | 64 | 20 | 74 |
| state.NC |  | 101 |  | 112 |  | 75 |
| day.9 |  | 80 |  | 83 |  | 76 |
| day.10 |  | 81 |  | 73 |  | 77 |
| state.MN |  | 83 |  | 29 |  | 78 |
| day.22 |  | 53 |  | 101 |  | 79 |
| state.TN |  | 72 |  | 66 |  | 80 |
| state.ID |  | 25 |  | 18 |  | 81 |
| day.29 |  | 88 |  | 111 |  | 82 |
| day.8 |  | 95 |  | 110 |  | 83 |
| day.15 |  | 48 |  | 23 |  | 84 |
| day.2 |  | 103 |  | 105 |  | 85 |
| flee.Other | 21 | 84 | 17 | 107 | 21 | 86 |
| month.5 |  | 62 |  | 116 |  | 87 |
| manner\_of\_death.shot.and.Tasered | 16 | 33 | 20 | 31 | 19 | 88 |
| day.23 |  | 71 |  | 81 |  | 89 |
| armedNew.vehicle | 23 | 113 | 19 | 32 | 23 | 90 |
| day.4 |  | 90 |  | 115 |  | 91 |
| day.14 |  | 97 |  | 98 |  | 92 |
| state.IN |  | 110 |  | 90 |  | 93 |
| day.7 |  | 106 |  | 63 |  | 94 |
| state.WA |  | 47 |  | 77 |  | 95 |
| day.18 |  | 85 |  | 100 |  | 96 |
| armedNew.undetermined | 22 | 111 | 16 | 55 | 22 | 97 |
| state.NV |  | 112 |  | 120 |  | 98 |
| year.2021 |  | 75 |  | 44 |  | 99 |
| state.AK |  | 77 |  | 21 |  | 100 |
| state.AR |  | 109 |  | 51 |  | 101 |
| state.CT |  | 99 |  | 34 |  | 102 |
| state.DC |  | 12 |  | 9 |  | 103 |
| state.DE |  | 65 |  | 56 |  | 104 |
| state.HI |  | 124 |  | 68 |  | 105 |
| state.IA |  | 115 |  | 99 |  | 106 |
| state.MA |  | 116 |  | 46 |  | 107 |
| state.ME |  | 119 |  | 49 |  | 108 |
| state.MT |  | 55 |  | 22 |  | 109 |
| state.ND |  | 118 |  | 36 |  | 110 |
| state.NE |  | 121 |  | 50 |  | 111 |
| state.NH |  | 117 |  | 40 |  | 112 |
| state.NM |  | 98 |  | 41 |  | 113 |
| state.RI |  | 125 |  | 69 |  | 114 |
| state.SC |  | 102 |  | 102 |  | 115 |
| state.SD |  | 120 |  | 67 |  | 116 |
| state.VT |  | 123 |  | 70 |  | 117 |
| state.WV |  | 104 |  | 123 |  | 118 |
| state.WY |  | 122 |  | 71 |  | 119 |
| day.11 |  | 86 |  | 114 |  | 120 |
| day.13 |  | 66 |  | 84 |  | 121 |
| day.16 |  | 96 |  | 87 |  | 122 |
| day.30 |  | 52 |  | 39 |  | 123 |
| day.31 |  | 100 |  | 108 |  | 124 |
| armedNew.unknown.weapon | 24 | 114 | 24 | 59 | 24 | 125 |